

# **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **LISTING OF CLAIMS:**

1. (Currently Amended) A carton paper powder removing apparatus of a paper liquid container packaging and filling machine, which removes paper powder adhered to the inside of a bottomed tubular carton obtained by molding a flat blanks blank of a carton for paper liquid container to be formed into a solid tubular shape and sealing a bottom part thereof, comprising:

a paper powder removing nozzle ~~reciprocating~~ adapted to reciprocate from an upper opening part of the bottomed tubular carton toward the inside of the carton and having a jetting port at a tip part of the nozzle, the nozzle possessing a nozzle outer wall, and the nozzle being positioned so that during operation of the machine a space exists between the nozzle outer wall and an inner wall of one of the cartons;

a paper powder return prevention means ~~installed between a nozzle outer wall and a carton inner wall, e.g. between the tip part of the paper powder removing nozzle and a base part~~ of the paper powder removing nozzle for preventing return of paper powder to the carton; and

a paper powder collecting means mechanism ~~installed near the upper opening part of the bottomed tubular carton and having air suction ports disposed above the space between the nozzle outer wall and the carton inner wall in a state of facing oppositely to each other~~ the space, whereby the paper powder in the carton can be removed.

2. (Currently Amended) The carton paper powder removing apparatus according to claim 1, comprising a blower for ~~collecting~~ moving a paper powder removing carrying medium~~[[,]]~~ by which removed paper powder is separated from the paper powder collecting means, and sending the medium thus collected mechanism to the paper powder removing nozzle.

3. (Currently Amended) The carton paper powder removing apparatus according to claim ~~[[1]]~~ 2, comprising a filter on a flow path between the paper powder collecting ~~means~~ mechanism and the blower that separates removed paper powder included in the paper powder removing carrying medium sent from the paper powder collecting ~~means~~ mechanism.

4. (Currently Amended) The carton paper powder removing apparatus according to claim ~~[[1]]~~ 3, comprising a counter on a flow path between the paper powder collecting mechanism and the filter for measuring concentration of removed paper powder included in the paper powder removing carrying medium sent from the paper powder collecting ~~means, on a flow path between the paper powder collecting means and the filter~~ mechanism.

5. (Currently Amended) The carton paper powder removing apparatus according to claim ~~[[1]]~~ 2, comprising a static electricity removing ~~means~~ mechanism near the ~~[[air]]~~ jetting port of the paper powder removing nozzle and ~~on an upper~~

~~stream side of the paper powder removing carrying medium~~ inside the paper powder removing nozzle.

6. (Currently Amended) The carton paper powder removing apparatus according to claim ~~[[1]]~~ 5, comprising a reciprocating movement drive mechanism of the paper powder removing nozzle; and a controller for sending a predetermined control signal to ~~[[a]]~~ the reciprocating movement drive ~~means~~ mechanism of the paper powder removing nozzle and the static electricity removing ~~means~~ mechanism and/or the blower, in accordance with an output signal received from the counter.